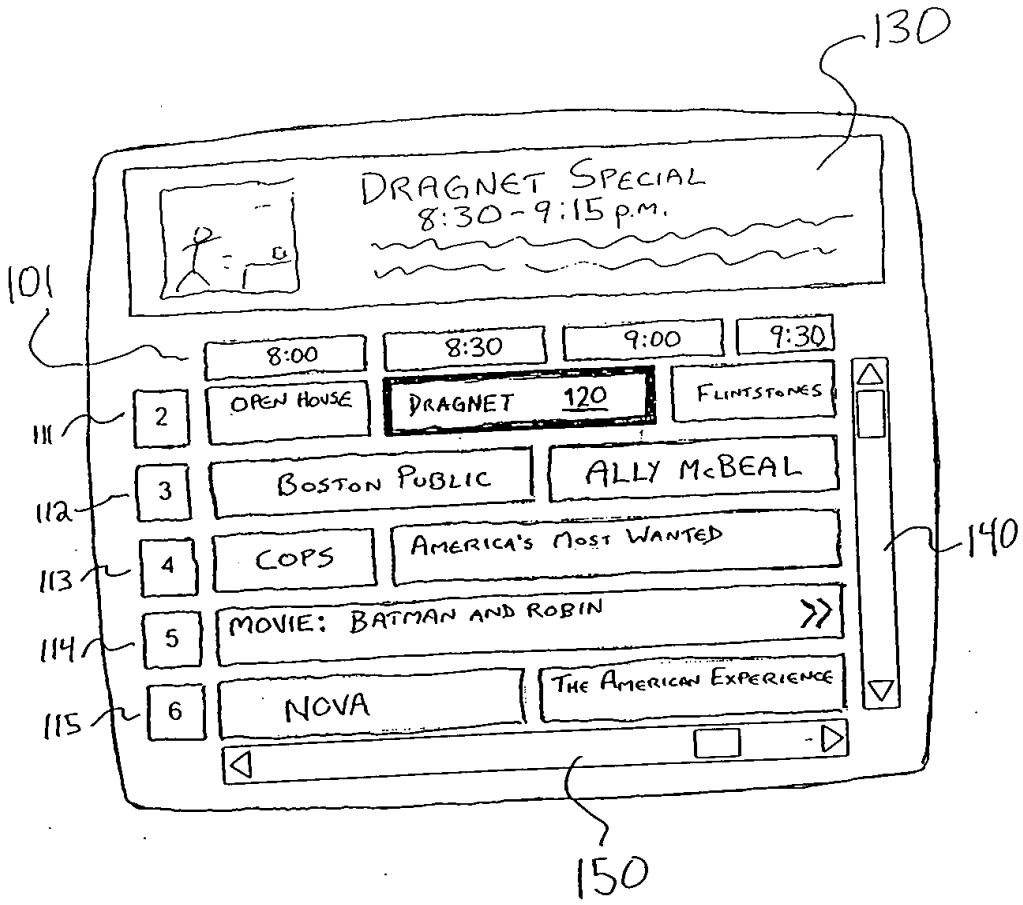

FIG. 1

PRIOR ART

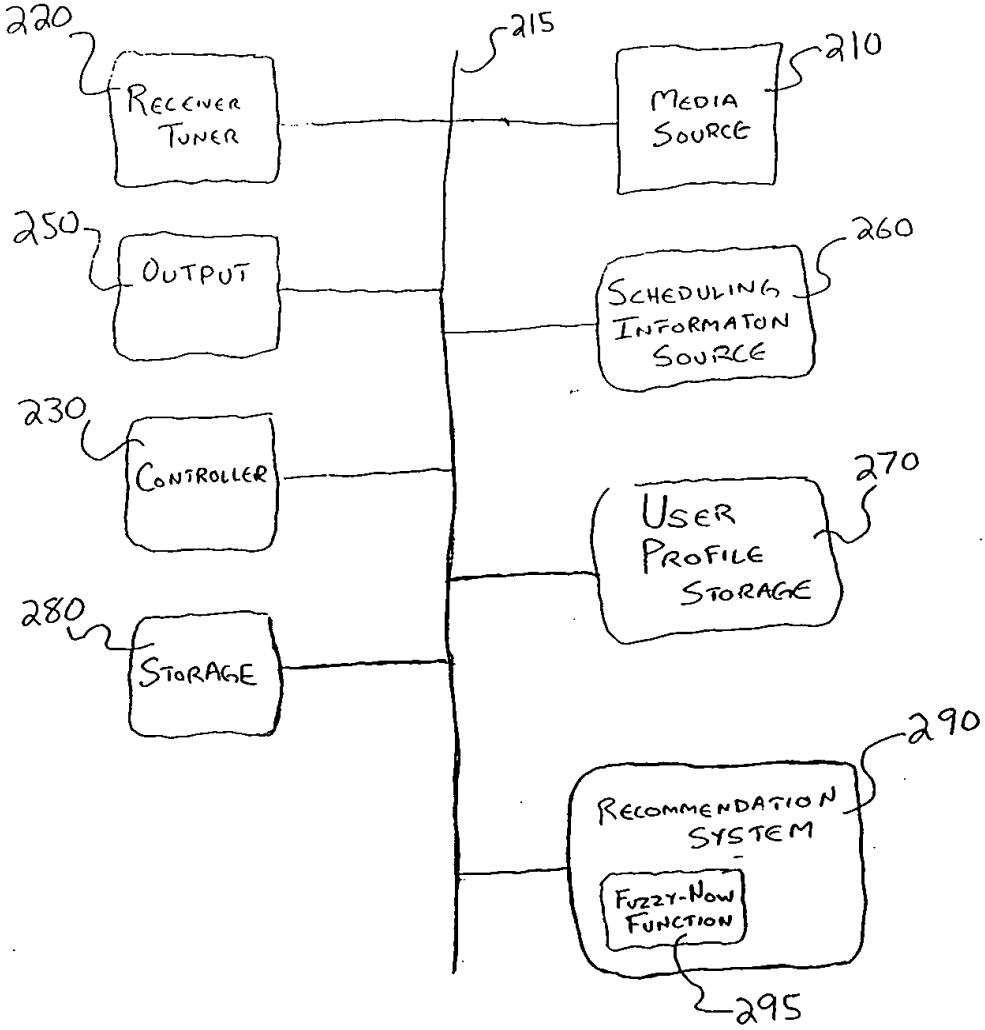

FIG. 2

PRIOR ART

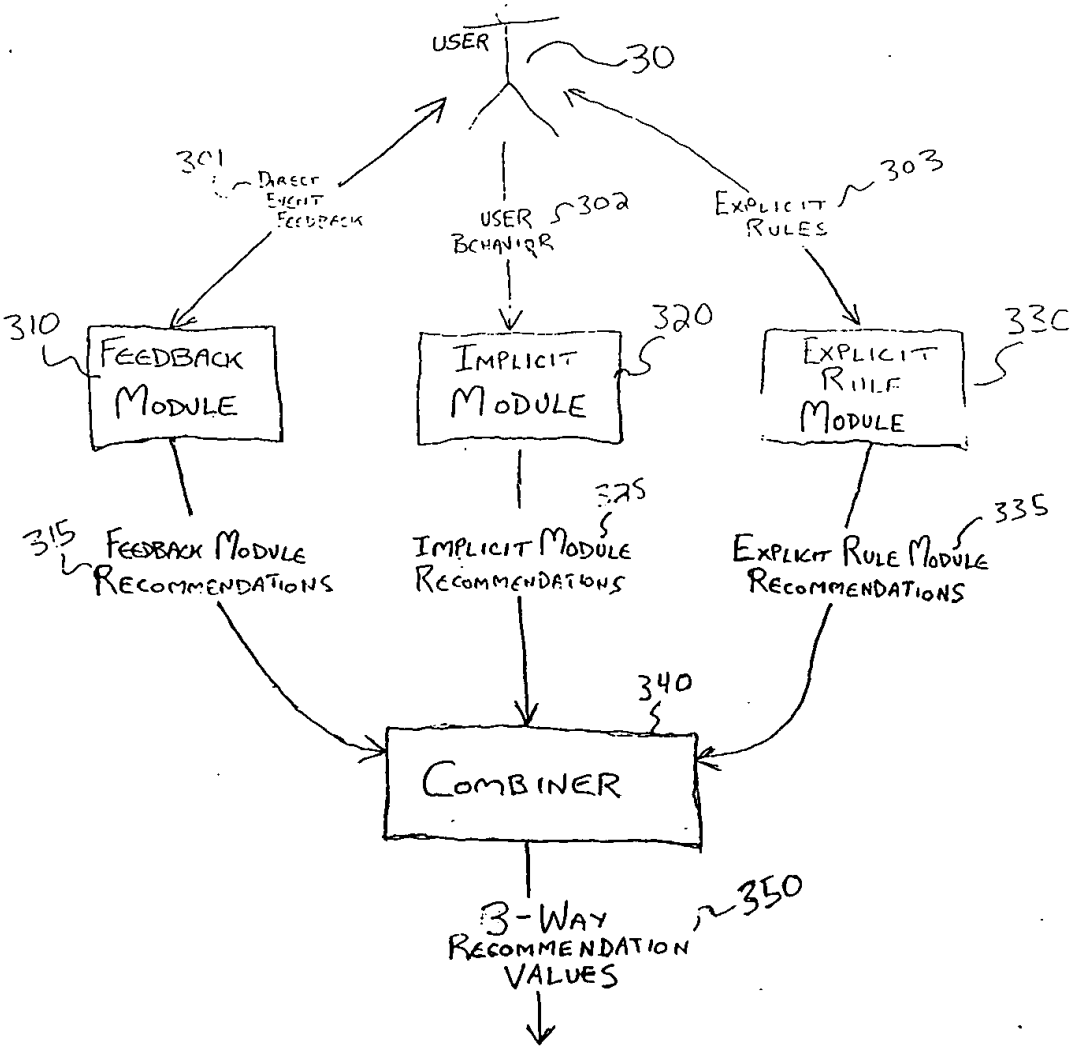
USER
30
301
DIRECT EXPLICIT FEEDBACK
USER BEHAVIOR
302
EXPLICIT RULES
303
310
FEEDBACK MODULE
IMPLICIT MODULE
320
EXPLICIT RULE MODULE
330
315
FEEDBACK MODULE RECOMMENDATIONS
325
IMPLICIT MODULE RECOMMENDATIONS
335
EXPLICIT RULE MODULE RECOMMENDATIONS
340
COMBINER
3-WAY RECOMMENDATION VALUES
350

Fig. 3

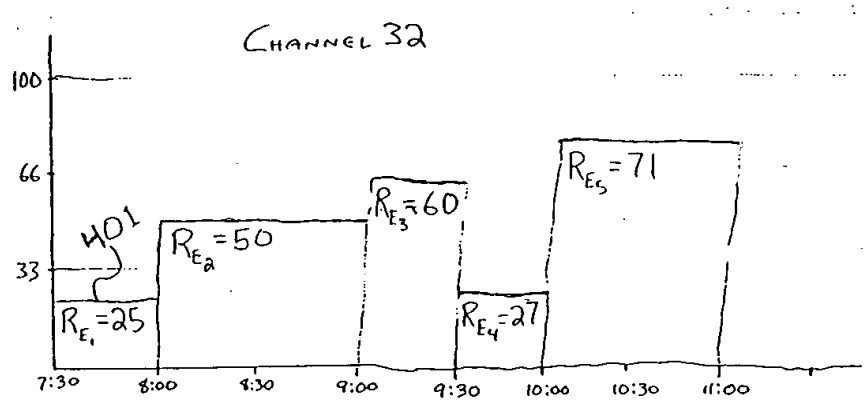

FIG. 4A
PRIOR ART

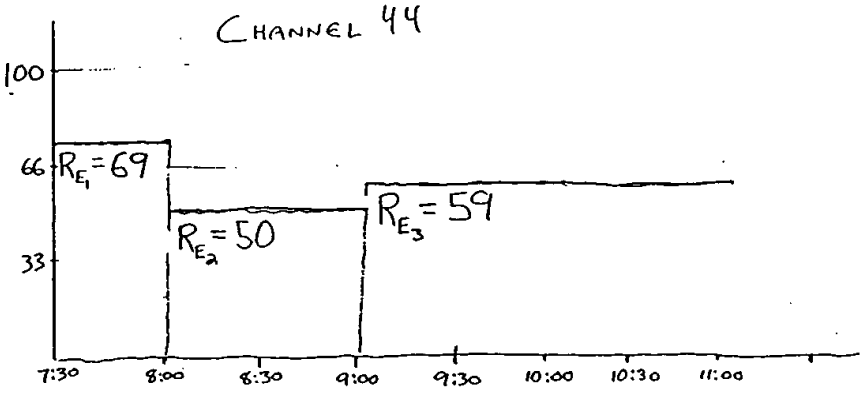

FIG. 4B
PRIOR ART

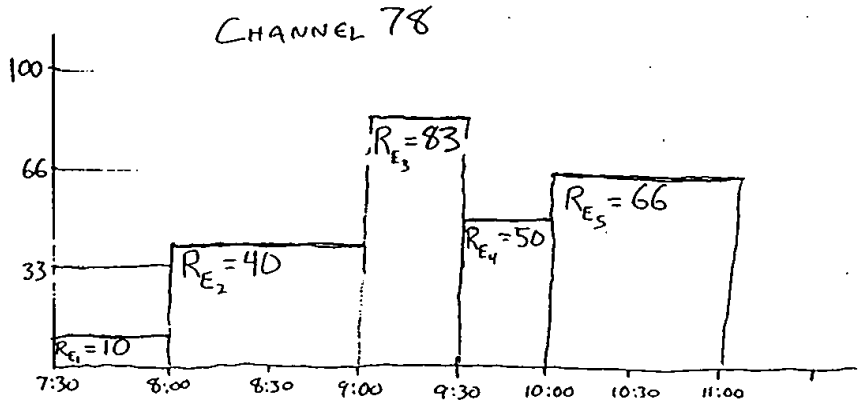

FIG. 4C
PRIOR ART

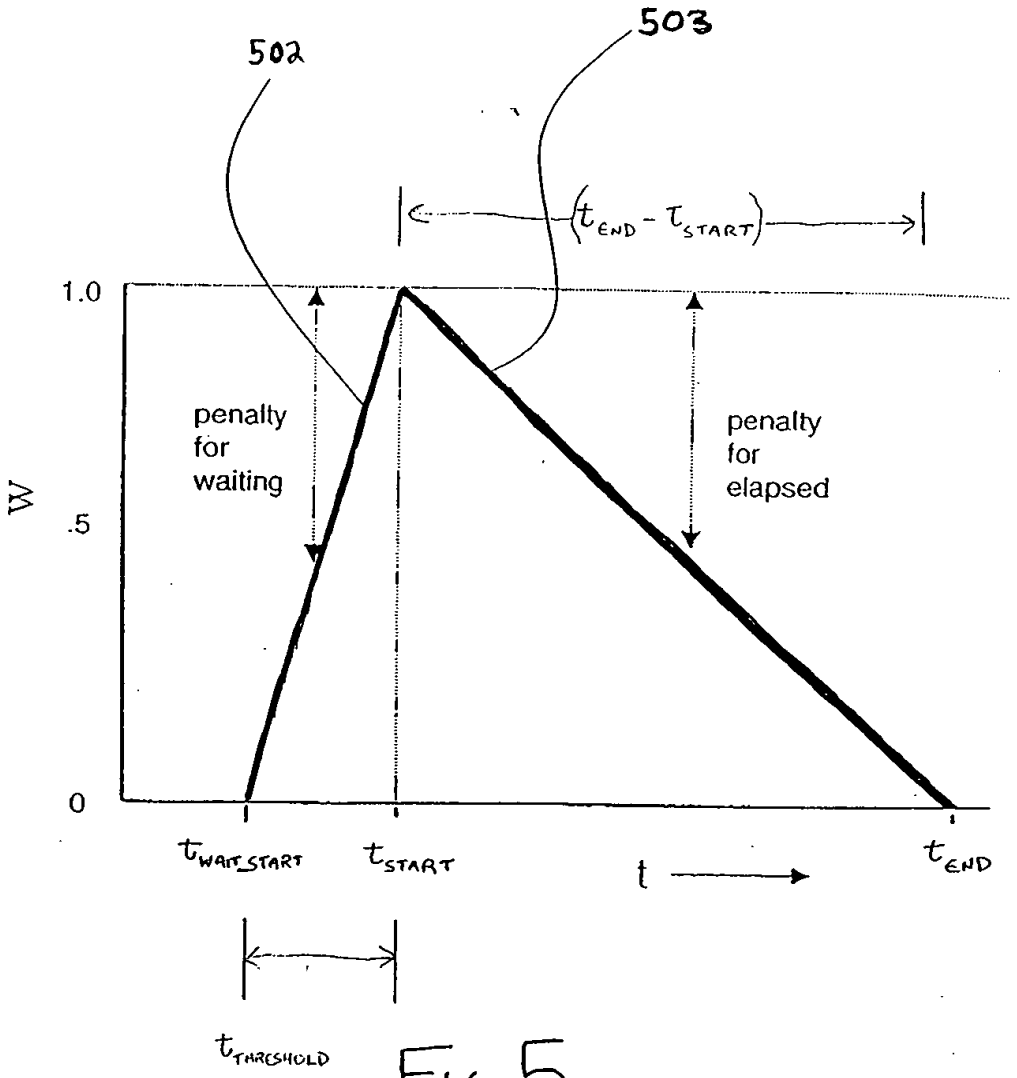

FIG. 5

PRIOR ART

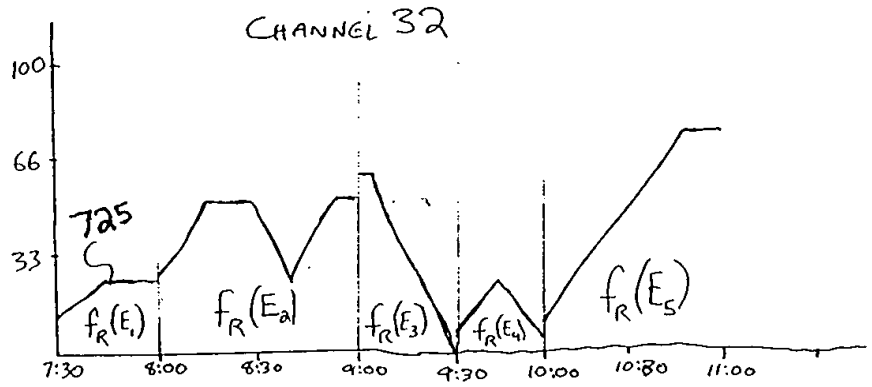

FIG. 7A
PRIOR ART

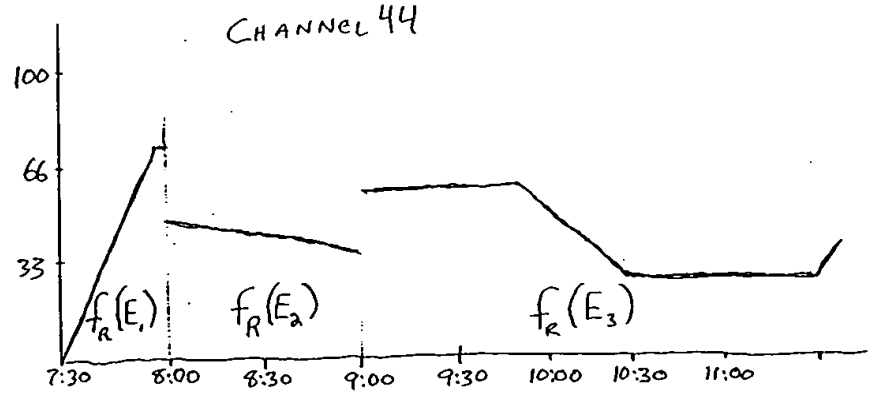

FIG. 7B
PRIOR ART

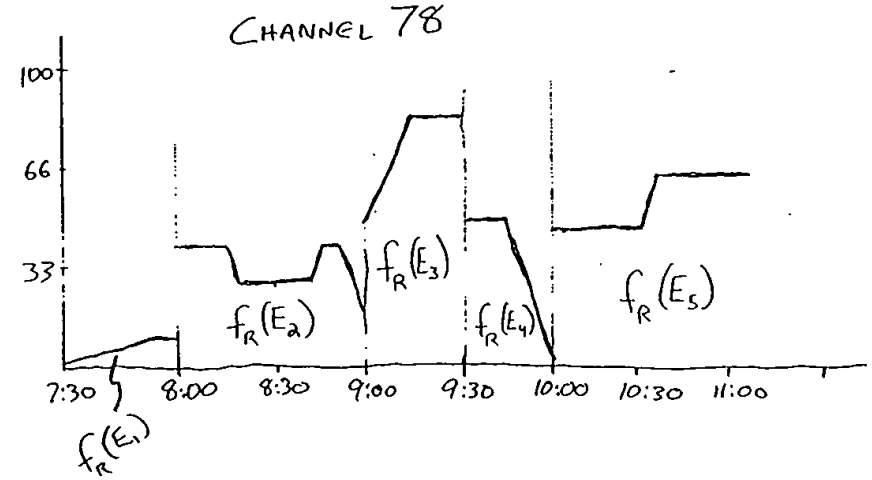

FIG. 7C
PRIOR ART

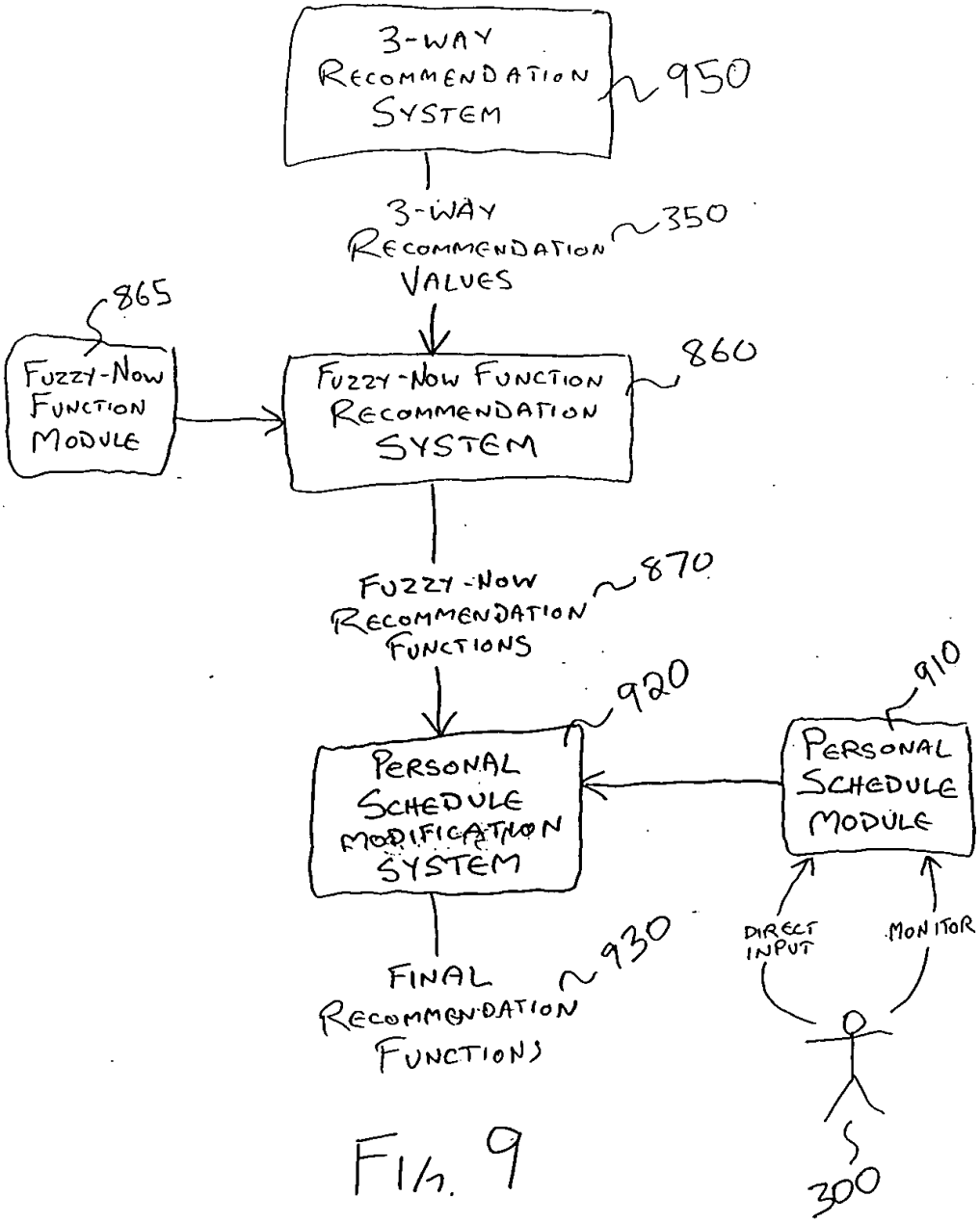
3-WAY RECOMMENDATION SYSTEM
950
3-WAY RECOMMENDATION VALUES
350
865
FUZZY-NOW FUNCTION MODULE
FUZZY-NOW FUNCTION RECOMMENDATION SYSTEM
860
FUZZY-NOW RECOMMENDATION FUNCTIONS
870
920
910
PERSONAL SCHEDULE MODIFICATION SYSTEM
PERSONAL SCHEDULE MODULE
DIRECT INPUT
MONITOR
FINAL RECOMMENDATION FUNCTIONS
930
300

Fig. 9

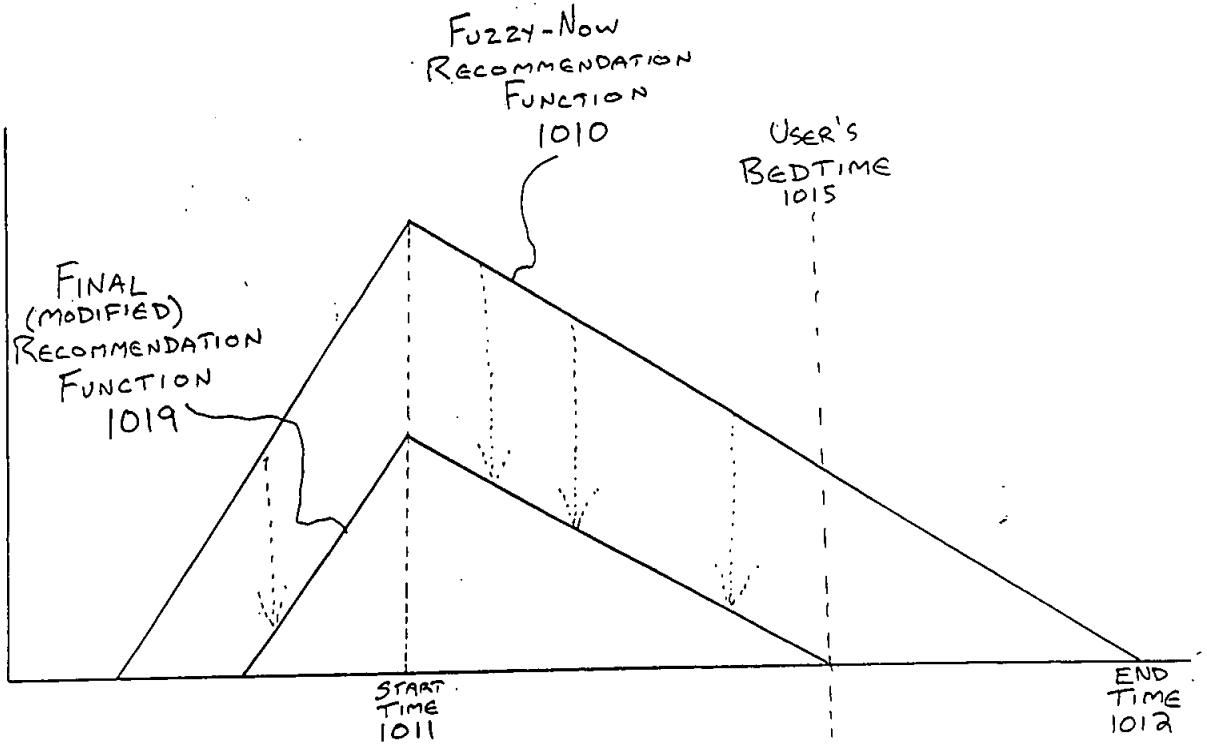
FUZZY-NOW
RECOMMENDATION
FUNCTION
1010
USER'S
BEDTIME
1015
FINAL
(MODIFIED)
RECOMMENDATION
FUNCTION
1019
START
TIME
1011
END
TIME
1012

FIG. 10A

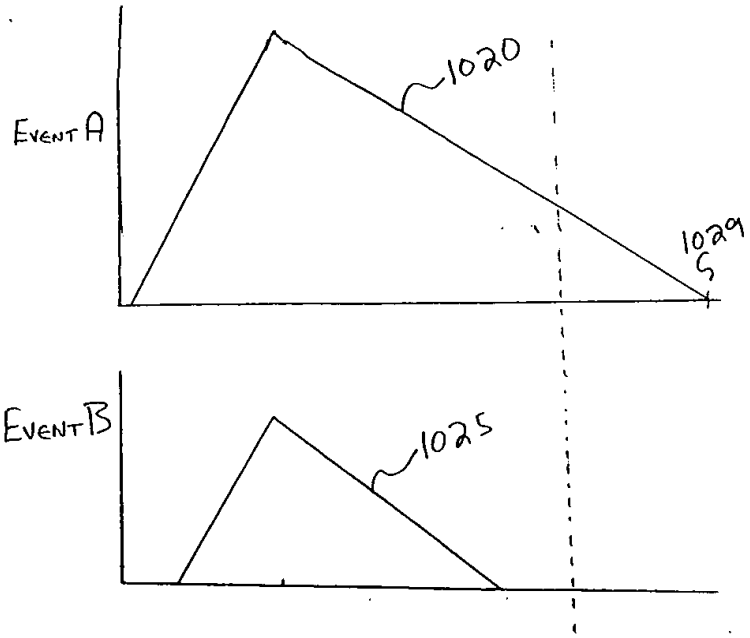

FIG. 10B
FUZZY-NOW RECOMMENDATION FUNCTIONS

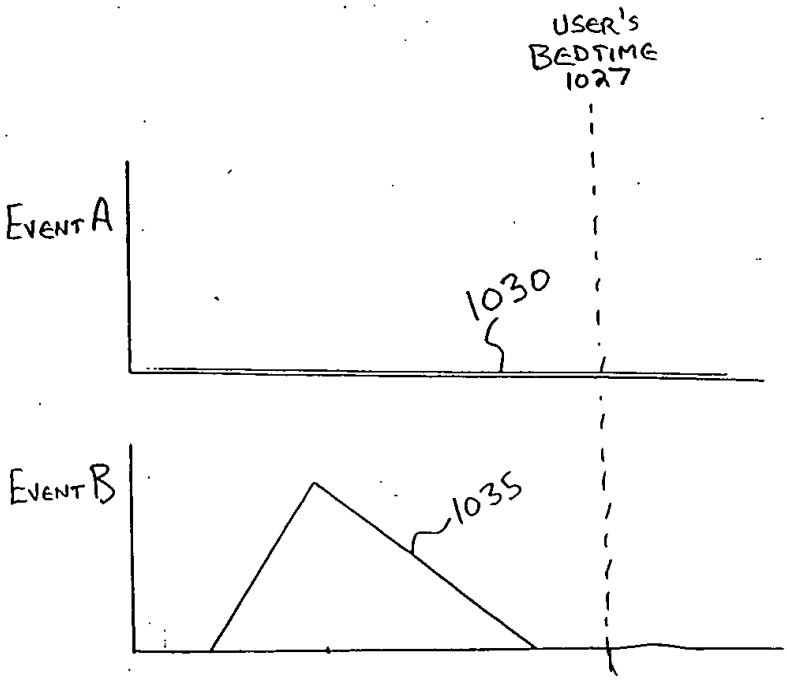

FIG. 10C
FINAL (MODIFIED) RECOMMENDATIOI FUNCTIONS

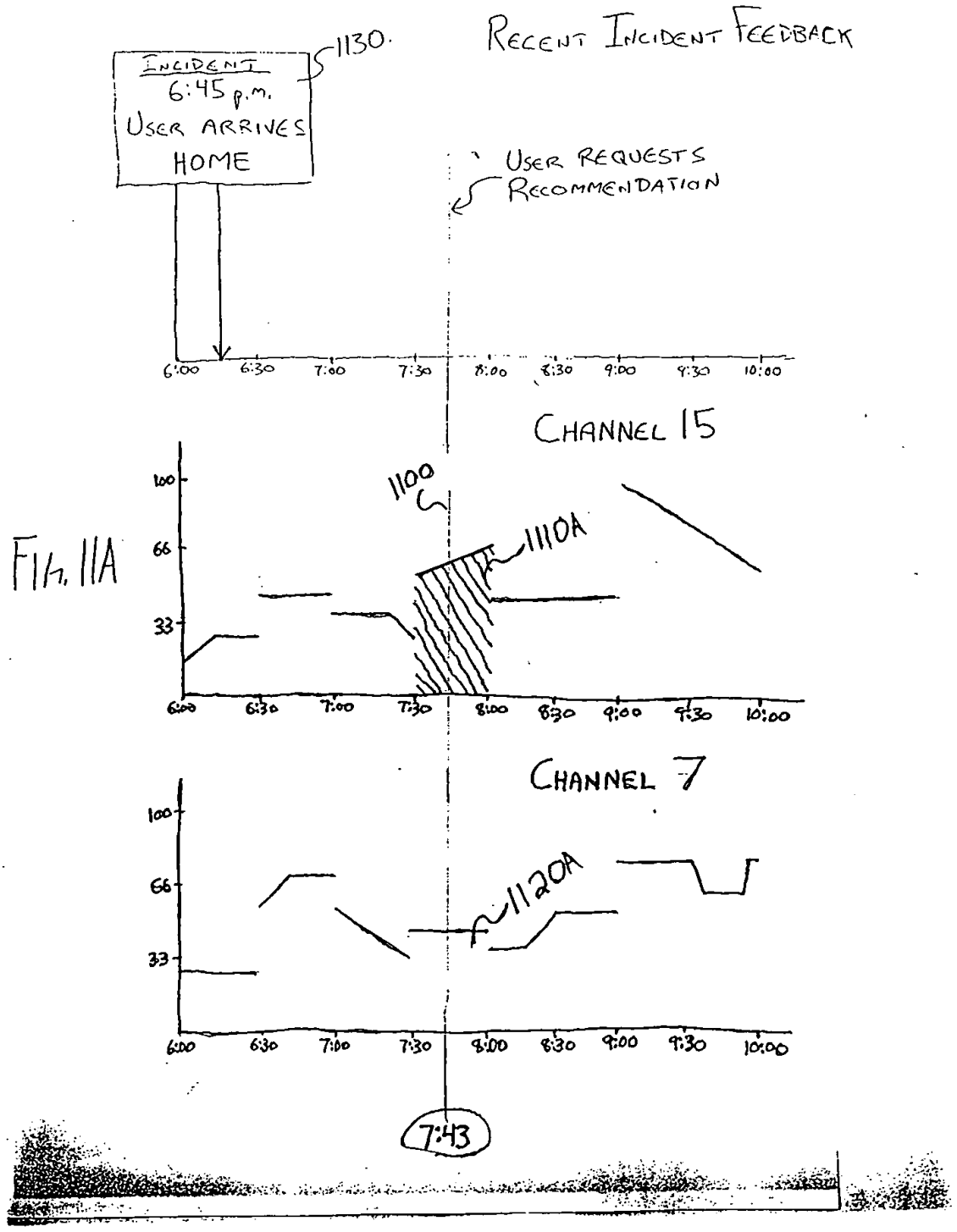
RECENT INCIDENT FEEDBACK
INCIDENT
6:45 p.m.
USER ARRIVES HOME
1130
USER REQUESTS RECOMMENDATION
6:00
6:30
7:00
7:30
8:00
8:30
9:00
9:30
10:00
CHANNEL 15
100
66
33
1100
1110A
CHANNEL 7
1120A
7:43

FIG. 11A

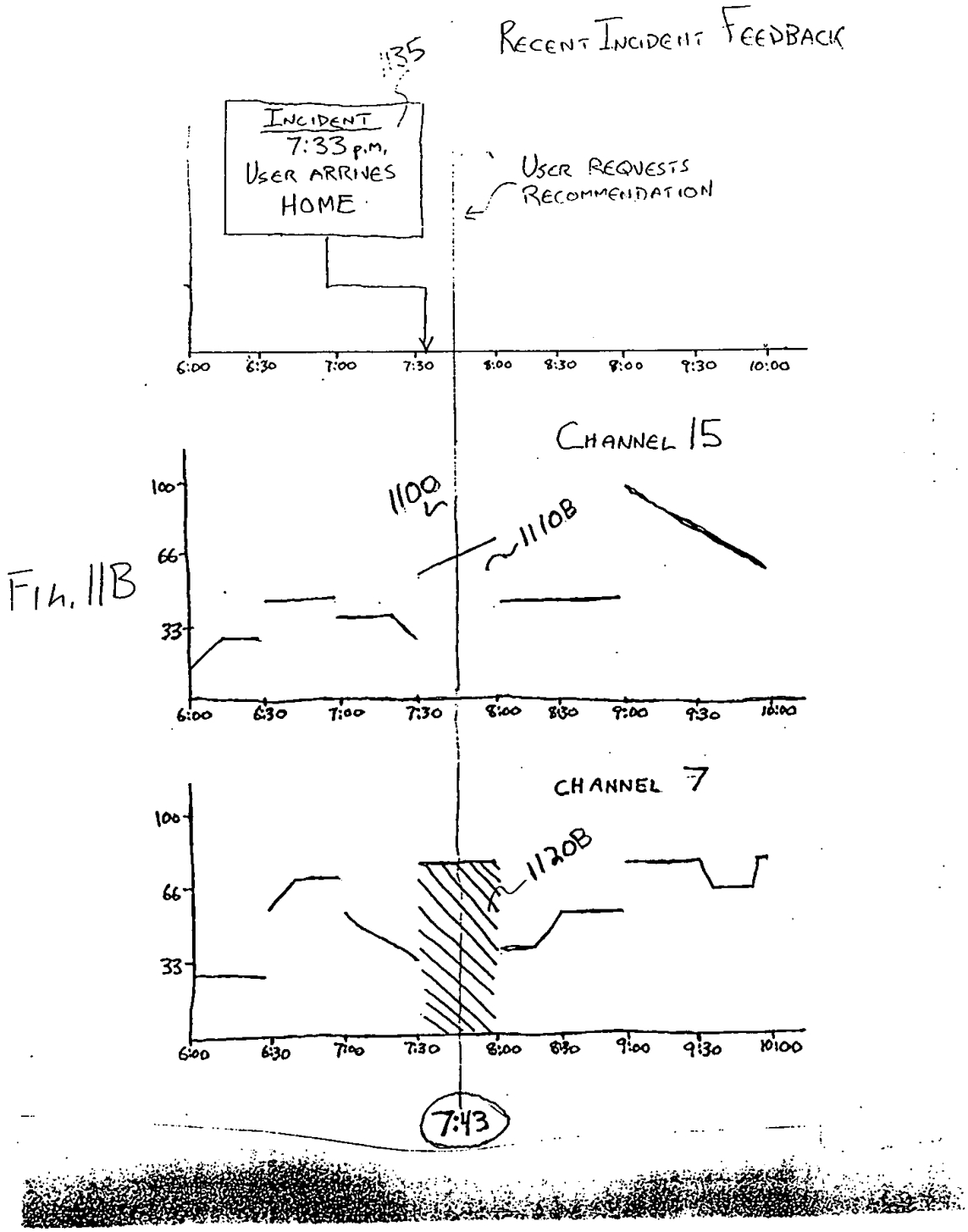
RECENT INCIDENT FEEDBACK
1135
INCIDENT
7:33 p.m.
USER ARRIVES
HOME
USER REQUESTS
RECOMMENDATION
6:00
6:30
7:00
7:30
8:00
8:30
9:00
9:30
10:00
CHANNEL 15
100
66
33
1100
1110B
CHANNEL 7
1120B
7:43

Fig. 11B

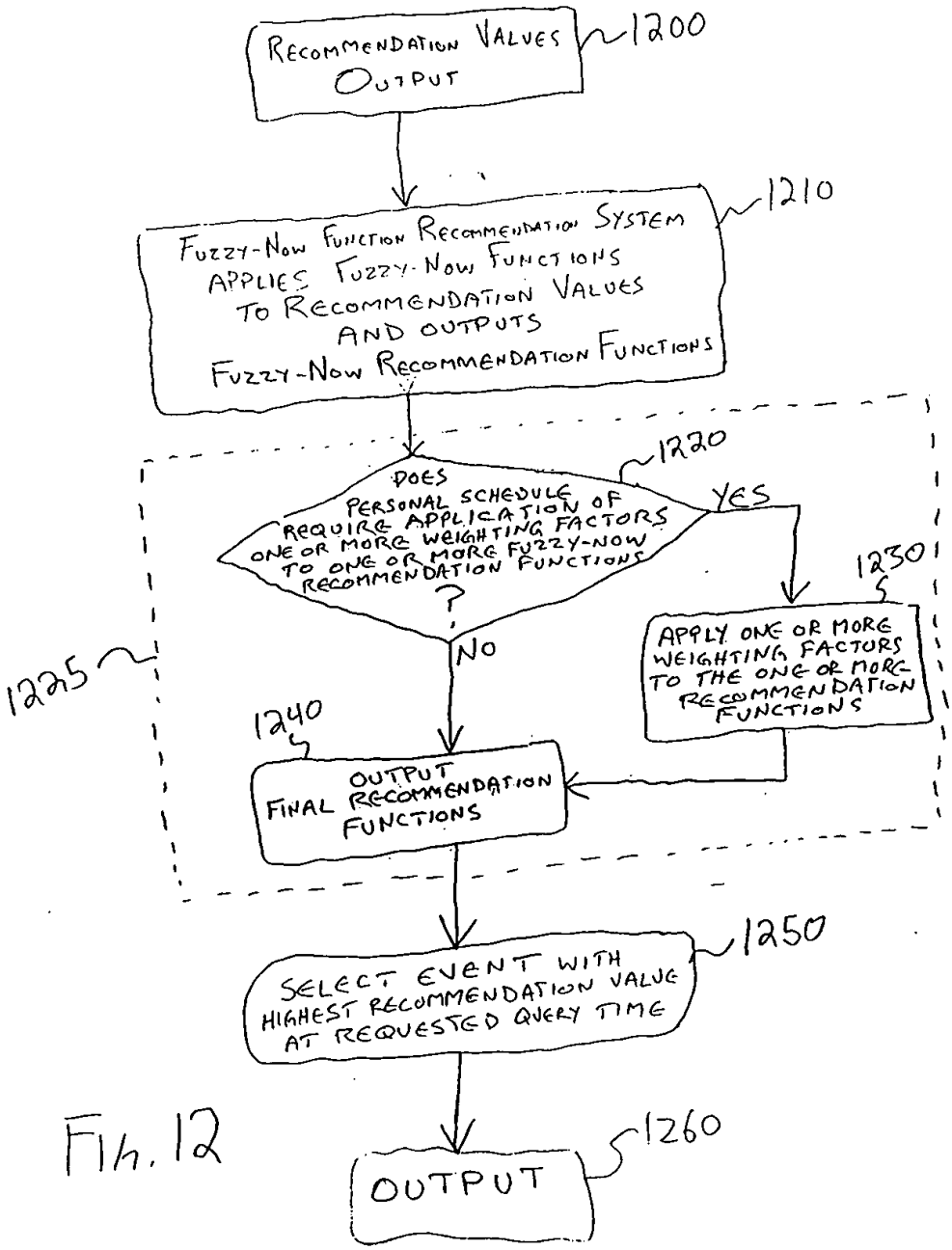
RECOMMENDATION VALUES OUTPUT
1200
FUZZY-NOW FUNCTION RECOMMENDATION SYSTEM APPLIES FUZZY-NOW FUNCTIONS TO RECOMMENDATION VALUES AND OUTPUTS FUZZY-NOW RECOMMENDATION FUNCTIONS
1210
1220
DOES PERSONAL SCHEDULE OF REQUIRE APPLICATION OF ONE OR MORE WEIGHTING FACTORS TO ONE OR MORE FUZZY-NOW RECOMMENDATION FUNCTIONS ?
YES
NO
1230
APPLY ONE OR MORE WEIGHTING FACTORS TO THE ONE OR MORE RECOMMENDATION FUNCTIONS
1225
1240
OUTPUT FINAL RECOMMENDATION FUNCTIONS
1250
SELECT EVENT WITH HIGHEST RECOMMENDATION VALUE AT REQUESTED QUERY TIME
1260
OUTPUT

Fig. 12